

I CLAIM:

1 1. A wind driven turbine assembly useful for the
2 generation of electricity comprising:

3 a frame having a front opening for the entrance of a
4 flow of wind, said frame having a floor, a right side, a left
5 side, a top and a back;

6 a right and a left turbine rotatably supported by the
7 top and floor of said frame each of said right and left turbines:

8 having a vertically oriented central support pipe
9 having a plurality of air passageways therethrough;

10 a plurality of blades held by each of said vertically
11 oriented support pipes, said blades being generally vertically
12 oriented and extending generally radially outwardly to an outer
13 edge from said central support pipes so that as each turbine
14 rotates its outer edge subscribes a circle within said frame,
15 each circle having an outer edge orientated near the respective
16 right side and left side of said frame;

17 each central support pipe having an upper and a lower
18 end support frame for providing support means for holding the
19 support pipe in a vertical position and at least one of said
20 upper and lower end support frame having openings to permit the
21 flow of air outwardly from an inner area of said support pipe;

22 a nose cone supported vertically in the front opening
23 of said frame having a rightwardly oriented face and a leftwardly

oriented face for diverting the flow of wind away from a center of said front opening of said frame to create a right air stream and a left air stream;

a right side door and a left side door each hingedly held across the right and left sides respectively of said frame by a vertical hinge positioned nearer the front opening of the frame than the back of the frame said right side door and said left side door being movable from a closed position angularly progressively to let more wind pass between the outer edges of said blades and the respective side door, each side door being biased toward a closed position whereby a right side air stream flows against the blades of said right turbine and along said right side door and a left side air stream flows against the blades of said left turbine and along said left side door thereby urging said turbines to turn in opposite directions;

a back panel held across a central area of said back of said frame, said back panel, said top, bottom said right turbine and said left turbine forming a rear central space, said back panel having a right edge and a left edge;

means for releasing air from said rear central space to the outside of said frame;

a right and a left adjustable baffle are held across the back of said frame adjacent said back panel, said right and left adjustable baffles each hingedly held at said right edge and said left edge of said back panel; and

49 means for setting the amount of opening of said right
50 and left adjustable baffles whereby when a stream of air enters
51 the front opening of the frame, such stream is directed by the
52 nose cone into a right air stream and a left air stream, the
53 right air stream passing against turbine blades on the right side
54 of the support pipe of the right turbine and against the right
55 side door and against the right side baffle, a portion of the air
56 stream passing through said air passageways in said vertically
57 oriented central support pipe of the right turbine and the left
58 air stream passing against turbine blades on the left side of the
59 support pipe of the left turbine and against the left side door
60 and against the left side baffle, a portion of the air stream
61 passing through said air passageways in said vertically oriented
62 central support pipe of the left turbine; and

63 electrical generating means operably connected to said
64 right turbine and said left turbine to produce electrical energy.

2. The wind driven turbine assembly of Claim 1 wherein said
right side door and said left side door are each biased toward a
closed position by a right side spring and a left side spring.

3. The wind driven turbine assembly of Claim 2 wherein said
right side door and said left side door are independently
controllable.

4. The wind driven turbine assembly of Claim 1, further including a screen positioned over said front opening.

5. The wind driven turbine assembly of Claim 1, further including a right front door and a left front door affixed hingedly to the right side and left side of said frame at the front thereof.

6. The wind driven turbine assembly of Claim 1, further including a plurality of fixed baffles held within said frame in said right air stream and said left air stream, to guide the flow of said right and left air streams within the frame.

7. The wind driven turbine assembly of Claim 1, wherein the outside diameter of said right and said left turbine is between 2 and 18 feet.

8. The wind driven turbine assembly of Claim 1, wherein said right and said left turbine each contain between 8-30 blades.